

In the claims:

Claims 1-4 cancelled.

5. (new) A battery pack, comprising a housing; a plurality of battery cells located in said housing and having longitudinal axes; and heat-diffusing means for diffusing heat from said battery cells, said heat diffusing means including a wall of said housing which surrounds said battery cells and is shaped so that it forms at least one duct which extends parallel to said longitudinal axes of said battery cells and is closed off from an interior of said housing, for a heat-diffusing medium.

6. (new) A battery pack as defined in claim 1, wherein said at least one duct has wall regions that rests in form-locking fashion against said battery cells that are located adjacent to said wall regions.

7. (new) A battery pack as defined in claim 1, wherein said wall regions of said at least one duct include at least partly a heat-conducting material.

8. (new) A battery pack as defined in claim 7, wherein said wall regions of said at least one duct that include said heat-conducting material are

recessed so far from outer wall regions of said housing that contact with said heat-conducting material by a user is prevented.

9. (new) A battery pack as defined in claim 5, wherein said at least one duct has wall regions which are in heat-conducting contact with adjacent ones of said battery cells over a large area.

10. (new) A battery pack as defined in claim 5, wherein said at least one duct is located in a nip between individual ones of said battery cells.